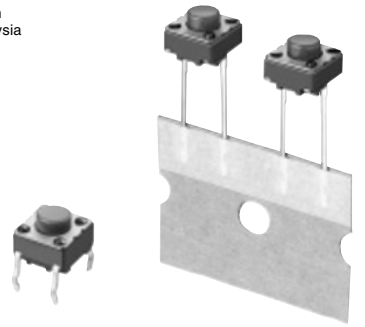
5N Type Light Touch Switches

Japan
Malaysia



Type: **EVQPA/EVQPB/EVQPF**
EVQ2/EVQPC

Broad product range meets a variety of needs

■ Features
- 6.0 mm×6.0 mm square, body thickness 3.2 mm
- Travel 0.25 mm, distinct click feeling
- Wide selection with or without ground terminal, top-push or side-push type with snap-in terminals available
- Wave soldering applicable

Jameco Part Number 200361
1-800-831-4242
www.jameco.com

■ Recommended Applications
- Operating button switches for Audio Visual, OA, Communication Equipment, Measurement Instruments

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	V	Q	P/2					
Product Code			Shape & Structure			Height		Knob Color

■ Product Chart

○=In production

Operating Force	Positioning Pin	Ground Terminal	Top-push Type				Side-push Type			
			4.3 mm	5.0 mm	7.0 mm	9.5 mm	3.15 mm	3.85 mm	5.85 mm	8.35 mm
1.0 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
1.3 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
1.6 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—
2.6 N	Without positioning pin	With ground terminal	○	○	○	○	○	○	○	○
		Without ground terminal	○	○	○	○	—	—	—	—

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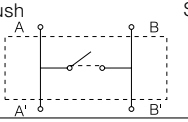
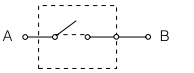
■ Major Specifications

Type					
	Snap action/Push-on type SPST				
Electrical	Circuit Diagram			Top-push 	Side-push 
	Rating			20 mA 15 Vdc	
	Contact Resistance			50 mΩ max.	
	Insulation Resistance			50 MΩ min. (at 100 Vdc)	
	Dielectric Withstanding Voltage			250 Vac for 1 minute	
	Bouncing			3 ms max. (ON) 8 ms max. (OFF)	
Mechanical	Operating Force			1.0 N±0.4 N 1.3 N±0.4 N 1.6 N±0.5 N	2.6 N±0.6 N
	Travel			0.25 mm±0.10 mm	
Endurance	Operating Life			100000 cycles min.*	50000 cycles min.
	Operating Temperature			–20 °C to +70 °C	
	Storage Temperature			–40 °C to +85 °C (Bulk) –20 °C to +40 °C (Taping)	
Minimum Quantity /Packing Unit		Top-push	Bulk	500 pcs. (Vinyl Bag)	
			Taping	1000 pcs. (Radial Taping)	
		Side-push	Bulk	500 pcs. (Vinyl Bag)	
			Taping	700 pcs. (Radial Taping)	
Quantity/Carton		Top-push	Bulk	10000 pcs.	
			Taping	10000 pcs.	
		Side-push	Bulk	10000 pcs.	
			Taping	7000 pcs.	

* 1 million cycles also available, consult our salesmen.

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■ Dimensions in mm (not to scale)

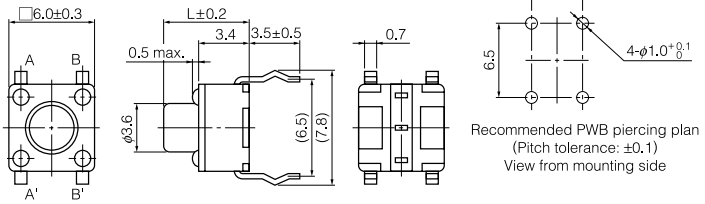
No. 1

Japan
Malaysia
China

EVQPA

(Bulk)

Top-push
Without ground terminal



Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQPAC04M	1.0 N	4.3 mm	White	100000 cycles
EVQPAC05R	1.0 N	5.0 mm	Red	100000 cycles
EVQPAC07K	1.0 N	7.0 mm	Black	100000 cycles
EVQPAC09K	1.0 N	9.5 mm	Black	100000 cycles
EVQPAD04M	1.3 N	4.3 mm	White	100000 cycles
EVQPAD05R	1.3 N	5.0 mm	Red	100000 cycles
EVQPAD07K	1.3 N	7.0 mm	Black	100000 cycles
EVQPAD09K	1.3 N	9.5 mm	Black	100000 cycles
EVQPAE04M	1.6 N	4.3 mm	White	100000 cycles
EVQPAE05R	1.6 N	5.0 mm	Red	100000 cycles
EVQPAE07K	1.6 N	7.0 mm	Black	100000 cycles
EVQPAE09K	1.6 N	9.5 mm	Black	100000 cycles
EVQPAG04M	2.6 N	4.3 mm	White	50000 cycles
EVQPAG05R	2.6 N	5.0 mm	Red	50000 cycles
EVQPAG07K	2.6 N	7.0 mm	Black	50000 cycles
EVQPAG09K	2.6 N	9.5 mm	Black	50000 cycles

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■ Dimensions in mm (not to scale)

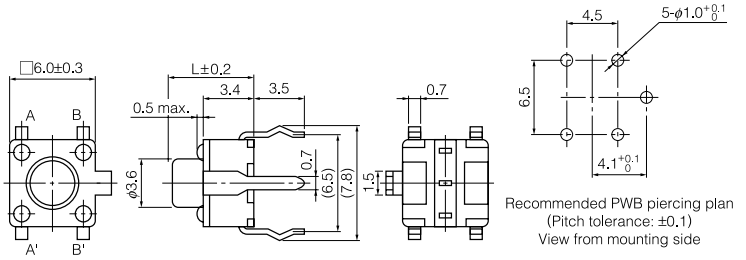
No. 2

Japan
China

EVQPB

(Bulk)

Top-push
With ground terminal



Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQPBC04M	1.0 N	4.3 mm	White	100000 cycles
EVQPBC05R	1.0 N	5.0 mm	Red	100000 cycles
EVQPBC07K	1.0 N	7.0 mm	Black	100000 cycles
EVQPBC09K	1.0 N	9.5 mm	Black	100000 cycles
EVQPBD04M	1.3 N	4.3 mm	White	100000 cycles
EVQPBD05R	1.3 N	5.0 mm	Red	100000 cycles
EVQPBD07K	1.3 N	7.0 mm	Black	100000 cycles
EVQPBD09K	1.3 N	9.5 mm	Black	100000 cycles
EVQPBE04M	1.6 N	4.3 mm	White	100000 cycles
EVQPBE05R	1.6 N	5.0 mm	Red	100000 cycles
EVQPBE07K	1.6 N	7.0 mm	Black	100000 cycles
EVQPBE09K	1.6 N	9.5 mm	Black	100000 cycles
EVQPBG04M	2.6 N	4.3 mm	White	50000 cycles
EVQPBG05R	2.6 N	5.0 mm	Red	50000 cycles
EVQPBG07K	2.6 N	7.0 mm	Black	50000 cycles
EVQPBG09K	2.6 N	9.5 mm	Black	50000 cycles

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■ Dimensions in mm (not to scale)

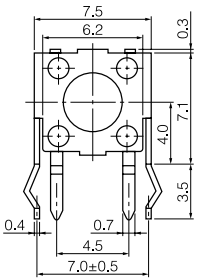
No. 3

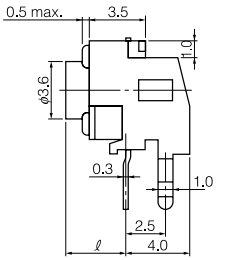
Japan

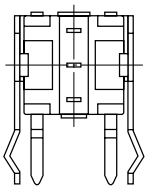
EVQPF

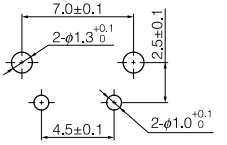
(Bulk)

Side-push
Without ground terminal

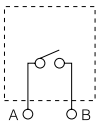








Recmmended
PWB piercing plan
(PWB thickness=1.6 mm)
View from monting side



Circuit diagram

ℓ
3.15
3.85
5.85
8.35

Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQPF003M	1.0 N	3.15 mm	White	100000 cycles
EVQPF004R	1.0 N	3.85 mm	Red	100000 cycles
EVQPF006K	1.0 N	5.85 mm	Black	100000 cycles
EVQPF008K	1.0 N	8.35 mm	Black	100000 cycles
EVQPF103M	1.3 N	3.15 mm	White	100000 cycles
EVQPF104R	1.3 N	3.85 mm	Red	100000 cycles
EVQPF106K	1.3 N	5.85 mm	Black	100000 cycles
EVQPF108K	1.3 N	8.35 mm	Black	100000 cycles
EVQPF203M	1.6 N	3.15 mm	White	100000 cycles
EVQPF204R	1.6 N	3.85 mm	Red	100000 cycles
EVQPF206K	1.6 N	5.85 mm	Black	100000 cycles
EVQPF208K	1.6 N	8.35 mm	Black	100000 cycles
EVQPF303M	2.6 N	3.15 mm	White	50000 cycles
EVQPF304R	2.6 N	3.85 mm	Red	50000 cycles
EVQPF306K	2.6 N	5.85 mm	Black	50000 cycles
EVQPF308K	2.6 N	8.35 mm	Black	50000 cycles

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■ Dimensions in mm (not to scale)

No. 4

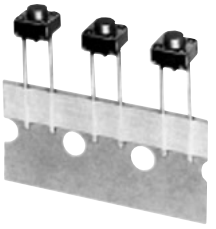
Japan
Malaysia
China

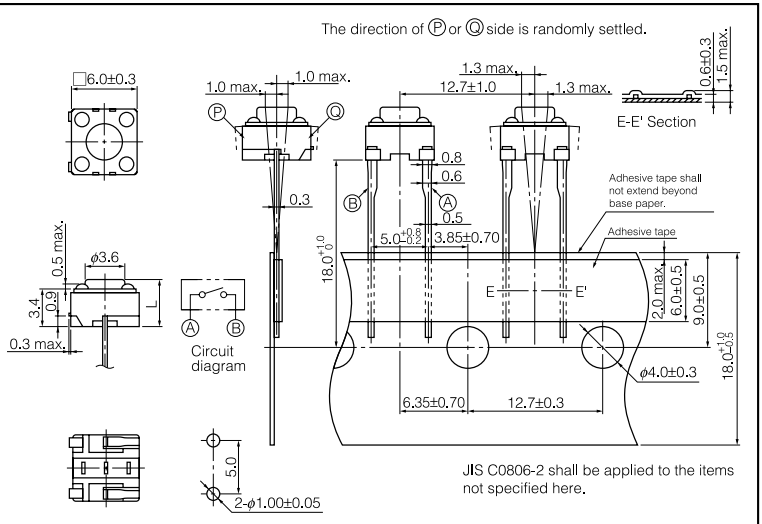
EVQ2

(Radial Taping)

Top-push
With ground terminal

2-terminal type
Without ground terminal





Part Numbers	Operating Force	Height	Knob Color	Operating Life
EVQ21304M	1.0 N	4.3 mm	White	100000 cycles
EVQ21305R	1.0 N	5.0 mm	Red	100000 cycles
EVQ21307K	1.0 N	7.0 mm	Black	100000 cycles
EVQ21309K	1.0 N	9.5 mm	Black	100000 cycles
EVQ21404M	1.3 N	4.3 mm	White	100000 cycles
EVQ21405R	1.3 N	5.0 mm	Red	100000 cycles
EVQ21407K	1.3 N	7.0 mm	Black	100000 cycles
EVQ21409K	1.3 N	9.5 mm	Black	100000 cycles
EVQ21504M	1.6 N	4.3 mm	White	100000 cycles
EVQ21505R	1.6 N	5.0 mm	Red	100000 cycles
EVQ21507K	1.6 N	7.0 mm	Black	100000 cycles
EVQ21509K	1.6 N	9.5 mm	Black	100000 cycles
EVQ22704M	2.6 N	4.3 mm	White	50000 cycles
EVQ22705R	2.6 N	5.0 mm	Red	50000 cycles
EVQ22707K	2.6 N	7.0 mm	Black	50000 cycles
EVQ22709K	2.6 N	9.5 mm	Black	50000 cycles

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■ Dimensions in mm (not to scale)

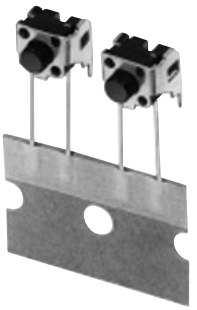
No. 5

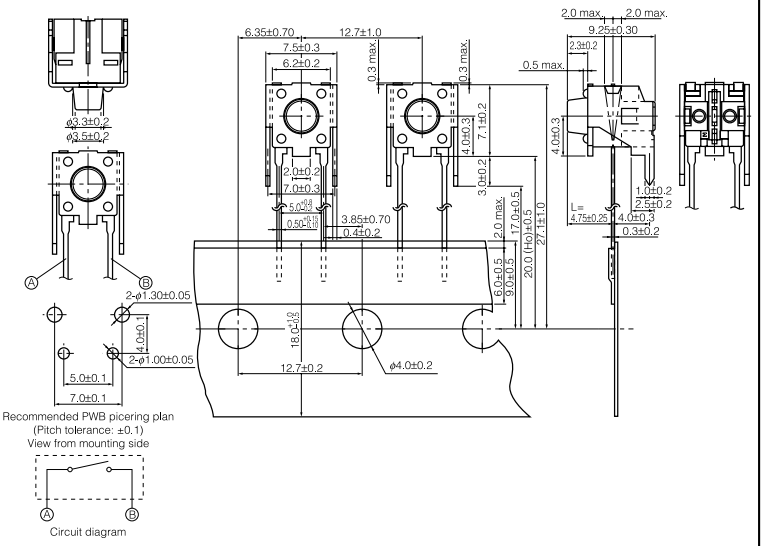
Japan
China

EVQPC

(Radial Taping)

Side-push
Without ground terminal





Part Numbers	Operating Force	Height	Knob Color	Operating Life	Insert Machine	H_0 Dimension
EVQPC005K	1.0 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPC105K	1.3 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPC205K	1.6 N	4.75 mm	Black	100000 cycles	Panasert	20 mm
EVQPC305K	2.6 N	4.75 mm	Black	50000 cycles	Panasert	20 mm
EVQPC405K	1.0 N	4.75 mm	Black	100000 cycles	Avisert	21 mm
EVQPC505K	1.3 N	4.75 mm	Black	100000 cycles	Avisert	21 mm
EVQPC605K	1.6 N	4.75 mm	Black	100000 cycles	Avisert	21 mm
EVQPC705K	2.6 N	4.75 mm	Black	50000 cycles	Avisert	21 mm

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